

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.51)**

Applicant(s): **Manfred Faubel, et al.**

Docket No. **V #3**

**46955.22**

Application No.

**10/527,676**

Filing Date

**11 March 2005 (371)**

Examiner

**Not Yet Assigned**

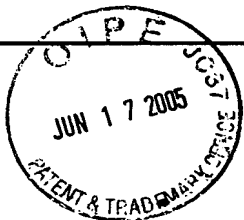
Customer No.

**041068**

Group Art Unit

**Not Assigned**

Invention: **Liquid Trap For Collecting Liquids in a Vacuum Device**



I hereby certify that this **Information Disclosure Statement, Form PTO-A820, and copies of 18 references**  
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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

JUN 17 2005

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
46955.22

In Re Application Of **Manfred Faubel, et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/527,676	11 Mar 2005 (371)	Not Yet Assigned	041068	Not Assigned	Not Assigned

Title:

**Liquid Trap For Collecting Liquids in a Vacuum Device**

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

JUN 17 2005

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
46955.22

Re Application: **Manfred Faubel, et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/527,676	11 Mar 2005 (371)	Not Yet Assigned	041068	Not Assigned	Not Assigned

Title:  
**Liquid Trap For Collecting Liquids in a Vacuum Device**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **50-2194** as described below.
- ☐ Charge the amount of \_\_\_\_\_
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- ☐ Payment by credit card. Form PTO-2038 is attached.

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*Gary Mangels*  
Signature

Dated: **14 June 2005**

**Gary Mangels, Esq. Reg. No. 55424**  
**Customer Number 041068**  
**Buchanan Ingersoll PC**  
**1835 Market Street, 14th Floor**  
**Philadelphia, Pennsylvania 19103-2985**  
**Telephone: 215.665.3946**

cc:

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">PATENT &amp; TRADEMARK OFFICE</div> <div style="text-align: center;"> <b>JUN 17 2005</b> </div> </div>				Docket Number (Optional) <b>46955.22</b>		Application Number <b>10/527,676</b>	
				Applicant(s) <b>Manfred Faubel, et al. / Customer No. 041068</b>			
				Filing Date <b>11 March 2005 (371 date)</b>		Group Art Unit <b>Not Yet Assigned</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,377,651 B1	23 Apr '02	Richardson, et al.			10 Oct 2000
	AB	6,324,255 B1	27 Nov '01	Kondo, et al.			12 Aug 1999
	AC	5,793,039	11 Aug '98	Oishi, et al.			22 Feb 1996
	AD	5,577,091	19 Nov '96	Richardson, et al.			13 Jan 1995
	AE	5,459,771	17 Oct '95	Richardson, et al.			1 Apr 1994

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AF	5,175,433	29 Dec '92	Browner, et al.			4 May 1990
	AG	5,051,584	24 Sep '91	Gray, et al.			20 Jul 1990
	AH	4,383,171	10 May '83	Sinha, et al.			10 May 1983

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AI	WO 97/40650	30 Oct '97	PCT				
	AJ	EP 0644796 B1	13 Oct '99	EPO				
	AK	EP 0186491 B1	17 Jun '92	EPO				
	AL	DE 10047779 A1	20 Sep '00	Germany			PCT ABSTRACT	

OTHER DOCUMENTS		<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
	AM	Faubel, M., et al.; "A molecular beam study of the evaporation of water from a liquid jet", Z. Phys. D - Atoms, Molecules and Clusters, Vol. 10, (1988), pp 269-277.
	AN	Morgner, Harald, et al.; "Electron spectroscopy of liquid insulators. A MIES study of liquid alkanes on a conducting liquid substrate", Journal of Electron Spectroscopy and Related Phenomena, Vol. 61, (1993), pp 183-192.

EXAMINER	DATE CONSIDERED
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**INFORMATION DISCLOSURE CITATION***(Use several sheets if needed)*

Docket Number (Optional)

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\*EXAMINER  
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AO

Dusterer, S., et al.; "Optimization of EUV radiation yield from laser-produced plasma", Appl. Phys. B, Vol. 73, (2001).

AP

Malmqvist, L., et al.; "Droplet-target laser-plasma source for proximity x-ray lithography", Appl. phys. Lett., Vol. 68(1996), pp 2627-2629.

AQ

Rymell, L., et al.; "Debris elimination in a droplet-target laser-plasma soft x-ray source", Rev. Sci. Instrum., Vol 66, (1995), pp 4916-4920.

AR

Dusterer, S., et al.; "Heisse Plasmen, schnelle Chips", Spektrum der Wissenschaft, (September 2001), pp 78- 80.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.